Xiaoxing Yan

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EDUCATION:

Cornell University, College of Engineering, Ithaca, NY **August 2017-December 2018**
M.Eng, Electrical and Computer Engineering, Cumulative GPA:3.88

Hefei University of Technology, Anhui, China **August 2013-June 2017**
Bachelor, Electrical Engineering, Cumulative GPA:3.64
Awards&Honors: 1st Scholarship; Jidianfushi Scholarship; Excellent Student; Academic Individual Scholarship; Chorus Competition First Prize; Anhui Province Drama Competition Second Prize.

SELECTED COURSES

Intermediate Design and Programming for the Web; Machine Learning and Pattern Recognition; Object-Oriented Programming and Data Structures; Database Systems; Computer Network; Scientific & Numerical Computation; Analysis of Algorithms; Design with Embedded Operating Systems ; C programming; Principle and Application of Microcomputer;

TECHNICAL SKILLS:

Java; Python; SQL; HTML; PHP; CSS; C; JSON; Eclipse; MySQL; PyCharm; Atom

RELATED EXPERIENCE

Small Bird Geolocating Radio Tag and Receiver System, Ithaca,US **October 2017-present**

- Collaborated with one teammate to redesign the bird tag which is set on the bird to transmit necessary data to the base station and these data are for biologists to reconstruct migration paths.
- Studied the characteristic of chip Ti cc1310, designed the communication protocol as well as tag states and wrote codes in C to realize the transmission function between two chips.

Cool-Tapping Instrument, Ithaca,US **November,2017**

- Designed a human-computer interactive music game instrument based on Raspberry Pi with 2 teammates.
- Made web page for this project in HTML, wrote the codes in python about the initialization of keyboard and modified the code of man-made colorful-blocks performance file.
- Optimized the algorithm of automatic beat detection with teammates. Created and debugged the hardware circuit.

Project of Photovoltaic Power Generation, Hefei,China **March,2017- June,2017**

- Designed a new active power control strategy for photovoltaic power station as a research assistant;
- Collected materials and helped professor to write codes using Java to improve the efficiency when converting solar energy into electricity.

International Contest of Innovation. Beijing,China **October 2015**

- Designed a self-charged sensor which can convert natural vibration energy into electricity with 3 teammates, and won third prize in the competition. Searched papers, did experiments, collected data, made summary and made posters.

CAMPUS INVOLVEMENT

IPEMC2016-ECCA ASIA – Volunteer (May 2016)
Department of Technology&EE Innovation Basement - President (2013-2014)
Drama Team of Performing Art Association – President (2013-2014)